

Claims:

1. A method for adhering a silicone gel to a substrate comprising:
forming a silicone gel;
treating a surface of the silicone gel with a primer material; and
joining the treated surface of the silicone gel to a surface of a substrate to which the silicone gel is to be adhered.
2. The method according to claim 1 in which the primer material is selected from the group consisting of titanate materials, zirconate materials, Si-H containing siloxanes and platinum materials.
3. The method according to Claim 1 in which the substrate is a plastic selected from the group consisting of polyolefins, polyvinyls, polyurethanes and polyurethane-ureas, polyvinyl chloride derivatives, polyacrylic and polyacrylates derivatives, polyacrylonitrile, polyesters, cellulosic films, polyimides, polyamides, epoxy and phenolic plastics, polycarbonates, phenoplastes, epoxy resins, fluorinated polymers, polyoxymethylenes, polyphenylene oxides, polysulfones, polyphenyl sulfide, silicones and polysaccharide based materials .
4. The method according to Claim 1 in which the substrate is selected from the group consisting of natural macromolecular materials, collagen, wood, cork, leather, metals, glass, ceramics or composite.
5. The method according to Claim 1 in which the layer of silicone gel has a thickness in the range of about 0.1 mm to 5 mm.
6. The method according to Claim 1 in which a surface of the gel has a release liner on it.
7. The method according to Claim 3 in which the plastic is in the form of a prosthesis.

8. A method for adhering a silicone gel to a substrate comprising:
forming a silicone gel;
treating a surface of a substrate to which the gel is to be adhered with an primer material; and
joining the silicone gel with the treated surface of the substrate.
9. The method according to claim 8 in which the primer material is selected from the group consisting of titanates materials, zirconate materials, Si-H containing siloxanes and platinum materials.
10. The method according to Claim 8 in which the substrate is a plastic selected from the group consisting of polyolefins, polyvinyls, polyurethanes and polyurethane-ureas, polyvinyl chloride derivatives, polyacrylic and polyacrylates derivatives, polyacrylonitrile, polyesters, cellulosic films, polyimides, polyamides, epoxy and phenolic plastics, polycarbonates, phenoplastes, epoxy resins, fluorinated polymers, polyoxymethylenes, polyphenylene oxides, polysulfones, polyphenyl sulfide, silicones and polysaccharide based materials .
11. The method according to Claim 8 in which the substrate is selected from the group consisting of natural macromolecular materials, collagen, wood, cork, leather, metals, glass, ceramics or composite.
12. The method according to Claim 8 in which the substrate on which the layer of silicone gel is formed comprises a release liner.
13. The method according to Claim 10 in which the plastic is in the form of a prosthesis.
14. A method for adhering a silicone gel to a substrate comprising:
mixing the components for forming a silicone gel;
treating a surface of the mixed silicone gel components with a primer material;
curing the silicone gel components; and
joining the treated surface of the silicone gel to a surface of a substrate to which the silicone gel is to be adhered.

15. A method for adhering a silicone gel to a substrate comprising:
mixing the components for forming a silicone gel and a primer material;
curing the silicone gel components; and
joining the silicone gel to a surface of a substrate to which the silicone gel is to be adhered.
16. A composition comprising:
a substrate;
on a surface of the substrate a primer material; and
on the primer material a silicone gel.
17. The composition according to claim 16 in which the primer material is selected from the group consisting of titanate materials, zirconate materials, Si-H containing siloxanes and platinum materials.
18. The composition of claim 17 wherein the substrate is a plastic.
19. A method for adhering a prosthesis to a human or an animal body comprising:
forming a layer of a silicone gel on a releasable substrate;
treating a surface of the silicone gel with a titanate material;
applying the treated surface of the silicone gel to a prosthesis;
removing the releasable substrate from the silicone gel; and
applying the silicone gel to a human or animal body.
20. A method for adhering a prosthesis to a human or an animal body comprising:
forming a layer of a silicone gel on a releasable substrate;
treating a surface of a prosthesis with a titanate material;
joining the treated surface of the prosthesis with the silicone gel;
removing the releasable substrate from the silicone gel; and
applying the silicone gel to a human or animal body.